![RCA]

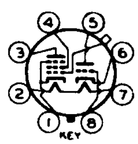
12B8-GT

TRIODE-PENTODE

12B8-GT

Heater■	Coated Unipotential Cathodes	
Voltage	12.6	a-c or d-c volts
Current	0.3	amp.
Direct Interelectrode Capacitances:°		
Triode Unit:		
Grid to Plate	2.3	μμf
Grid to Cathode	5.0	μμf
Plate to Cathode	6.3	μμf
Pentode Unit:		
Grid to Plate	0.015	μμf
Input	5.2	μμf
Output	9.6	μμf
Pentode Grid to Triode Grid	0.002	μμf
Pentode Plate to Triode Grid	0.078	μμf
Pentode Grid to Triode Plate	0.003	μμf
Maximum Overall Length		3-9/16"
Maximum Seated Height		3"
Maximum Diameter		1-5/16"
Bulb		T-9
Cap		Skirted Miniature
Base		Intermediate Shell Octal 8-Pin

Pin 1 - Pentode Cathode
Pin 2 - Heater
Pin 3 - Pentode Plate
Pin 4 - Pentode Screen
Pin 5 - Triode Plate



Pin 6 - Triode Cathode
Pin 7 - Heater
Pin 8 - Triode Grid
Cap - Pentode Grid

BOTTOM VIEW (8T)

TRIODE UNIT

Typical Operation and Characteristics:

Plate	90	volts
Grid	0	volts
Amp. Fact.	90	
Plate Res.	37000	ohms
Transcond.	2400	μmhos
Grid Bias (approx.) for Plate-Cur. Cut-Off	-2.5	volts
Plate Current	2.8	ma.

PENTODE UNIT

Typical Operation and Characteristics:

Plate	90	volts
Screen	90	volts
Grid	-3	volts
Plate Res.	200000	ohms
Transcond.	1800	μmhos
Grid Bias for Transcond. of 2 μmhos	-42.5	volts
Plate Cur.	7.0	ma.
Screen Cur.	2.0	ma.

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
° Values are approximate.

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY